Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061316\
Data File : BF087999.D
Acq On : 14 Jun 2016 10:12
Operator : UM/SJ
Sample : H3395-16DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Jun 14 13:38:57 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 13 14:10:49 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	116335	20.00	ng		0.01
21) Naphthalene-d8	8.08	136	447673	20.00	ng		0.00
38) Acenaphthene-d10	9.84	164	217547	20.00	ng		0.00
63) Phenanthrene-d10	11.31	188	315376	20.00	ng		0.00
75) Chrysene-d12	13.95	240	249095	20.00	ng		0.00
86) Perylene-d12	15.37	264	230000	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.38	112	159527	23.44	ng		0.00
7) Phenol-d6	6.42	99	193097	23.41	ng		-0.01
23) Nitrobenzene-d5	7.36	82	116591	15.21	ng		0.00
41) 2,4,6-Tribromophenol	10.63	330	33965	14.79	ng		0.00
44) 2-Fluorobiphenyl	9.16	172	212520	10.49	ng		0.00
78) Terphenyl-d14	12.90	244	131636	12.03	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.43	94	1462	Below Cal		#	1
19) n-Nitroso-di-n-propylamine	7.36	70	13859	2.63	ng	#	71
45) 1,1'-Biphenyl	9.26	154	274	Below Cal		#	43
48) Acenaphthylene	9.70	152	69105	3.09	ng		98
50) 2,6-Dinitrotoluene	9.84	165	27661	7.66	ng	#	39
56) 2,4-Dinitrotoluene	9.84	165	27663	5.96	ng	#	38
57) Fluorene	10.39	166	6796	Below Cal			90
70) Phenanthrene	11.34	178	54373	3.29	ng		99
71) Anthracene	11.39	178	58676	3.51	ng		98
74) Fluoranthene	12.53	202	535955	30.69	ng		96
77) Pyrene	12.75	202	423813	22.93	ng		98
80) Benzo(a)anthracene	13.94	228	336468	23.70	ng	#	92
82) Chrysene	13.94	228	336468	25.20	ng		97
85) Indeno(1,2,3-cd)pyrene	16.72	276	92434	7.45	ng	#	100
87) Benzo(b)fluoranthene	14.97	252	422753	26.37	ng	#	95
88) Benzo(k)fluoranthene	14.97	252	422753	34.96	ng		99
89) Benzo(a)pyrene	15.30	252	186837	14.41	ng		98
91) Benzo(g,h,i)perylene	17.13	276	73209	5.91	ng		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

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Misc :
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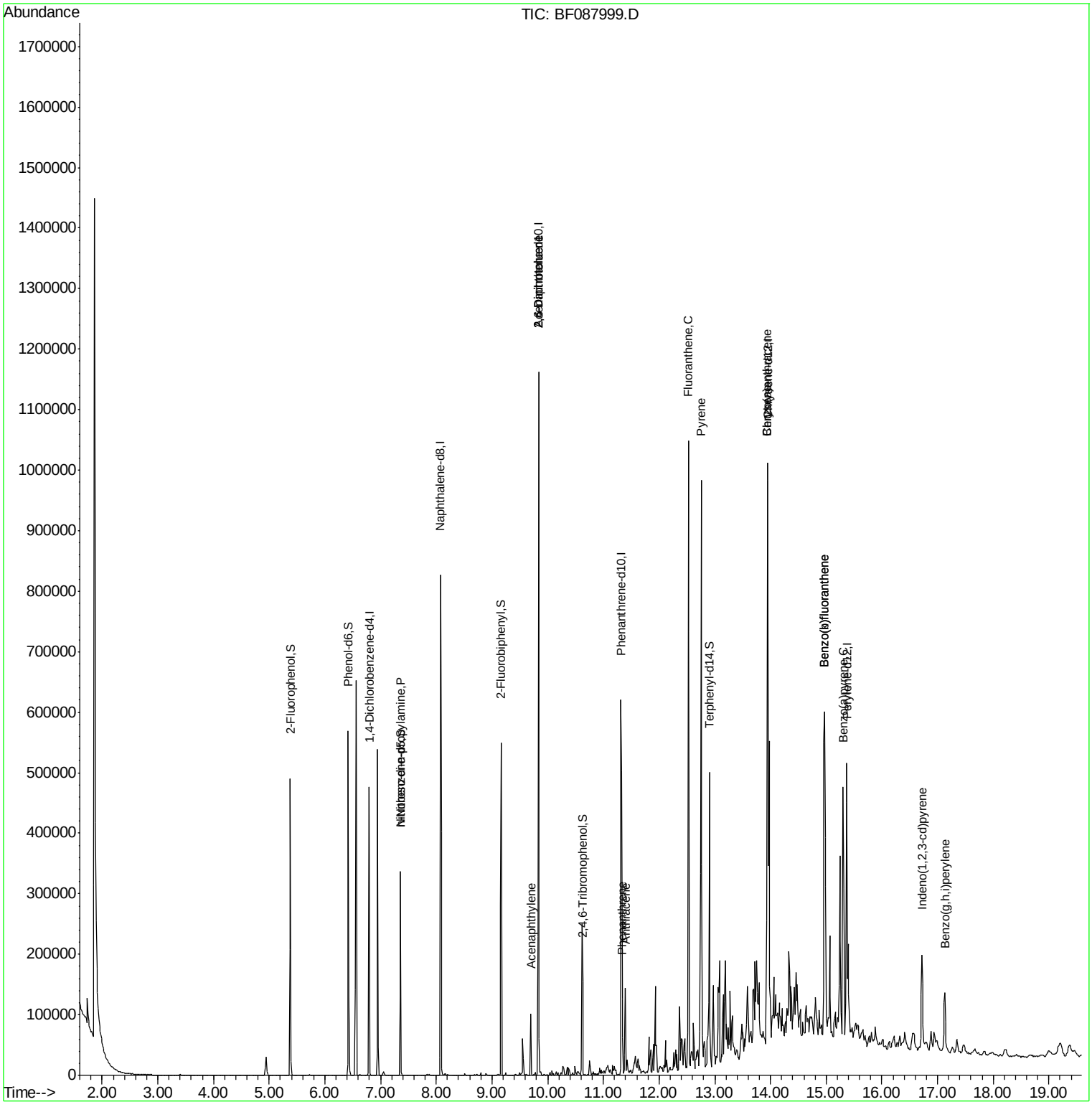
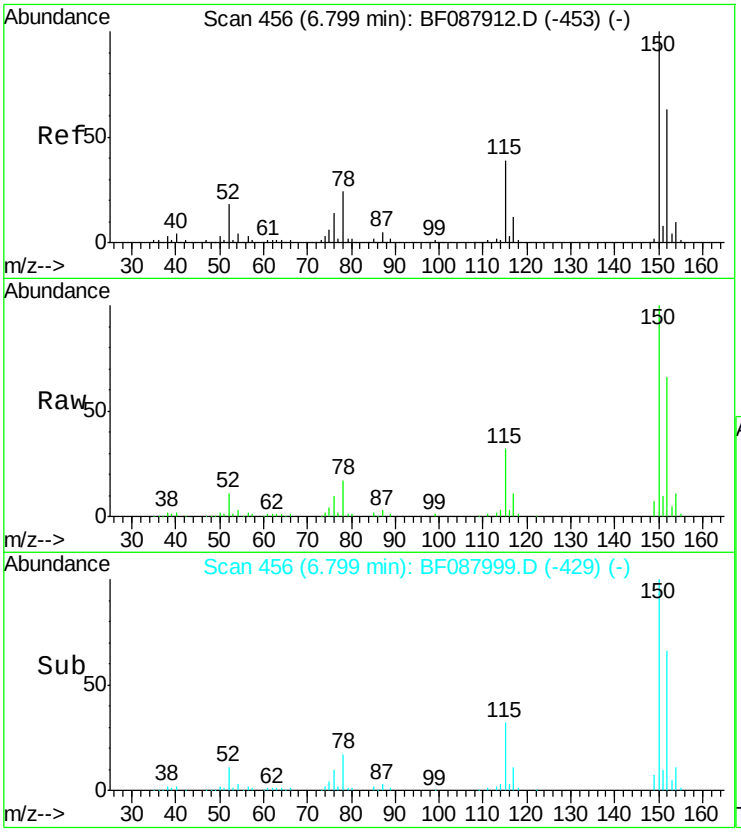


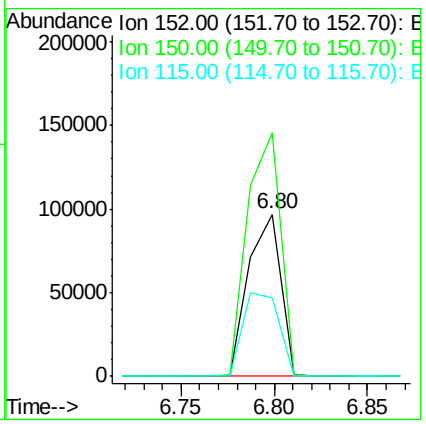


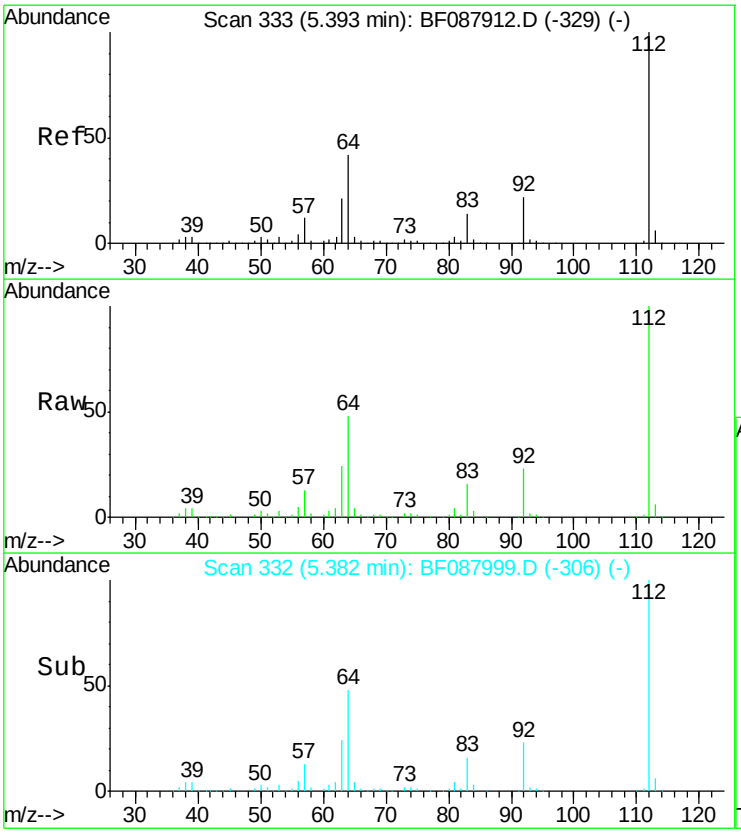
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 456
Delta R.T. 0.01 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 116335

Ion	Ratio	Lower	Upper
152	100		
150	150.5	123.8	185.6
115	48.7	39.6	59.4

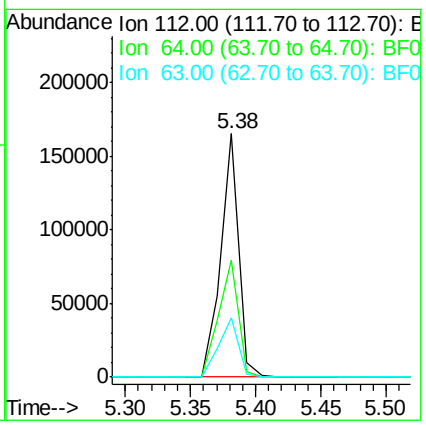


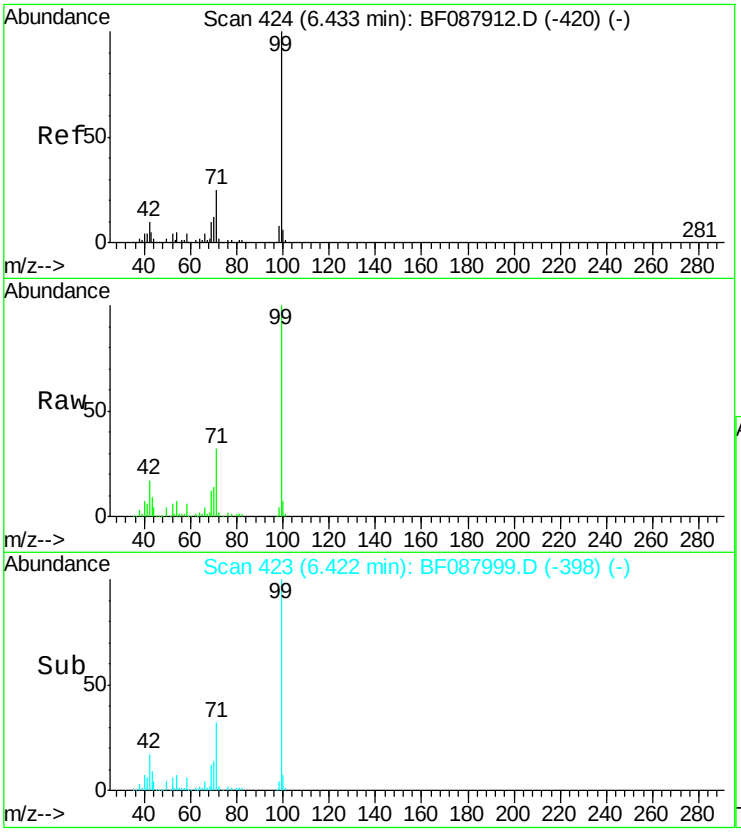


#5
2-Fluorophenol
Concen: 23.44 ng
RT: 5.38 min Scan# 332
Delta R.T. -0.00 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Tgt Ion:112 Resp: 159527

Ion	Ratio	Lower	Upper
112	100		
64	47.8	42.2	63.2
63	24.4	21.8	32.8



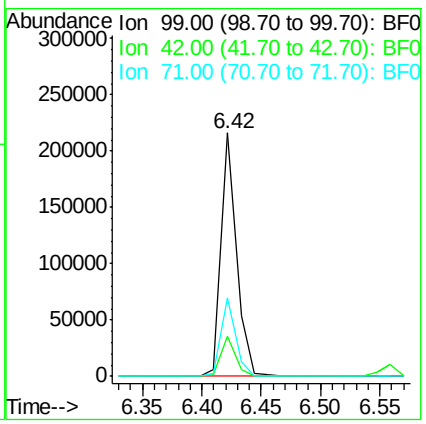


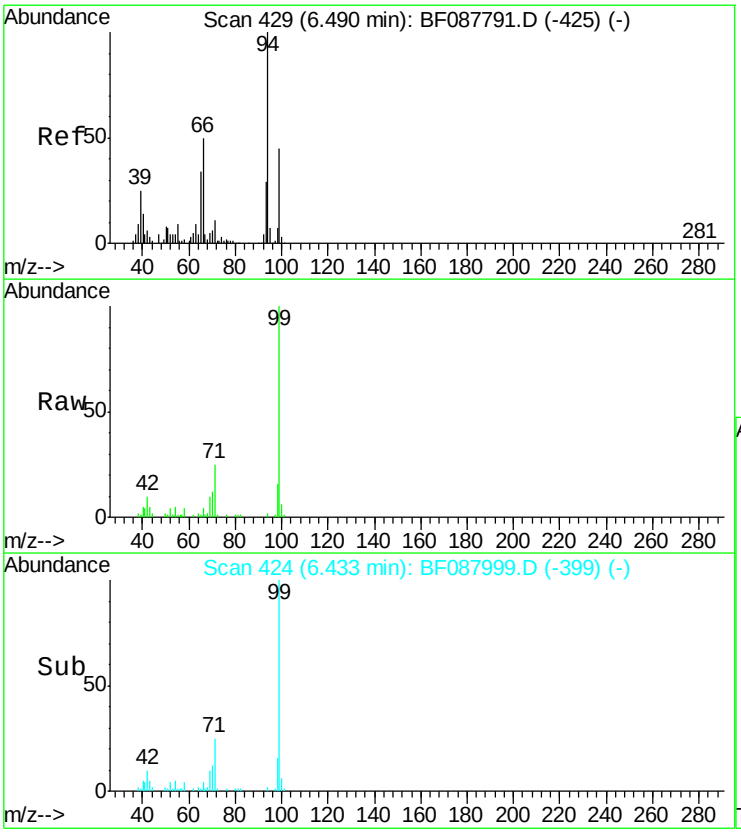
#7
Phenol-d6
Concen: 23.41 ng
RT: 6.42 min Scan# 423
Delta R.T. -0.01 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 193097

Ion	Ratio	Lower	Upper
99	100		
42	16.7	12.2	18.2
71	32.0	23.4	35.0

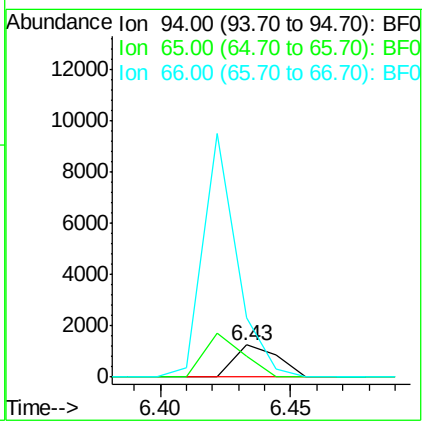


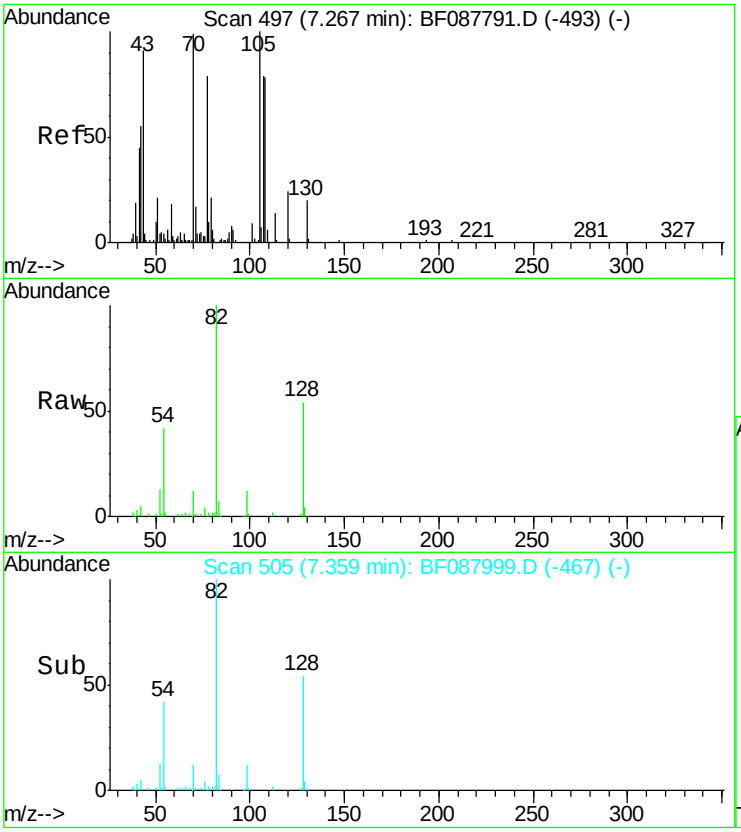


#10
Phenol
Concen: Below Cal
RT: 6.43 min Scan# 424
Delta R.T. -0.01 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Tgt Ion: 94 Resp: 1462

Ion	Ratio	Lower	Upper
94	100		
65	64.3	5.9	45.9#
66	183.9	14.0	54.0#



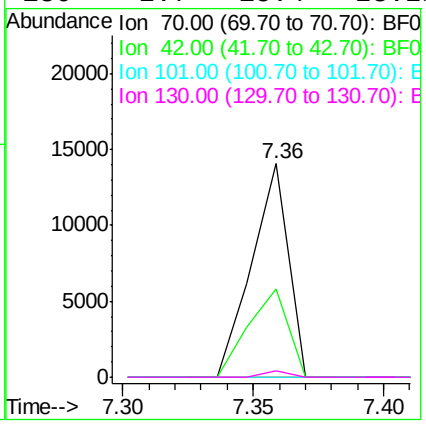


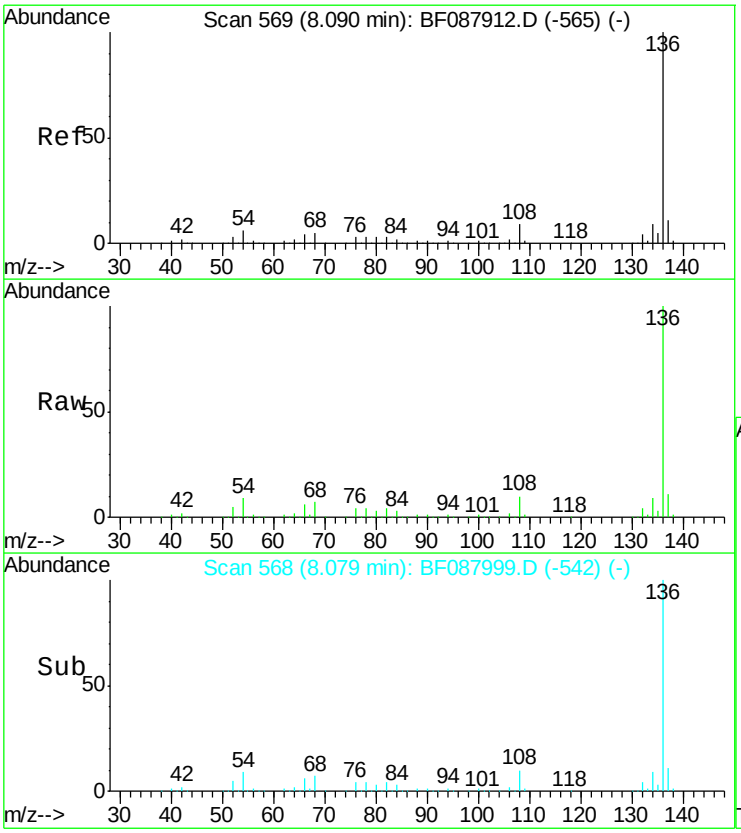
#19
n-Nitroso-di-n-propylamine
Concen: 2.63 ng
RT: 7.36 min Scan# 505
Delta R.T. 0.14 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 70 Resp: 13859

Ion	Ratio	Lower	Upper
70	100		
42	41.4	49.6	74.4#
101	0.0	7.1	10.7#
130	2.7	15.4	23.2#

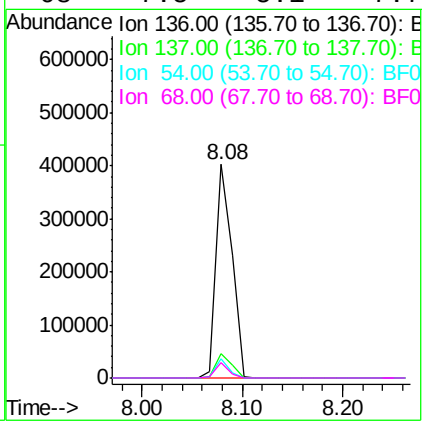


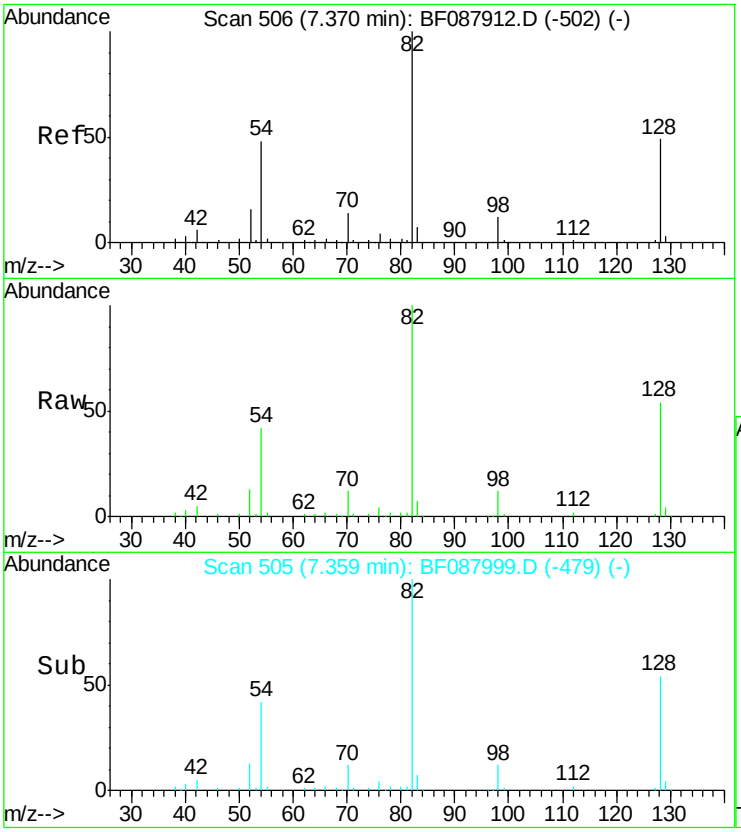


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 568
Delta R.T. -0.00 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Tgt Ion:136 Resp: 447673

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	9.1	6.6	10.0
68	7.5	5.1	7.7



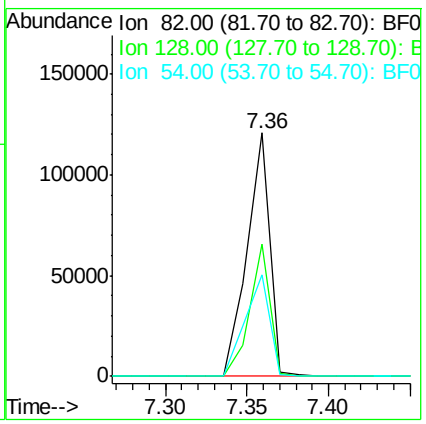


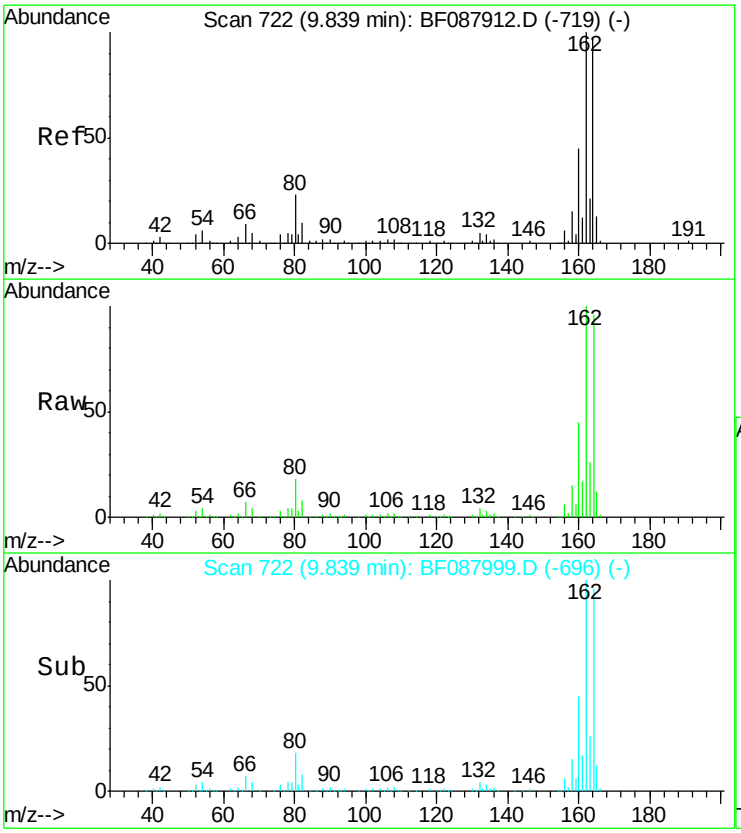
#23
Nitrobenzene-d5
Concen: 15.21 ng
RT: 7.36 min Scan# 505
Delta R.T. -0.00 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 116591

Ion	Ratio	Lower	Upper
82	100		
128	54.1	35.9	53.9#
54	41.6	40.9	61.3

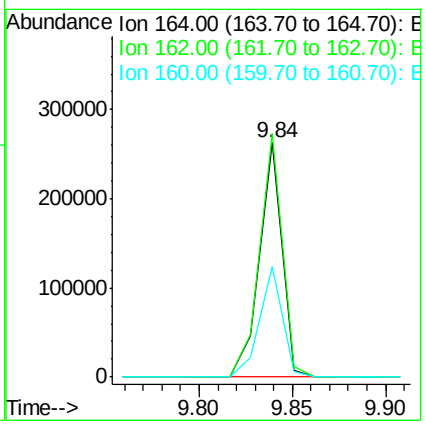


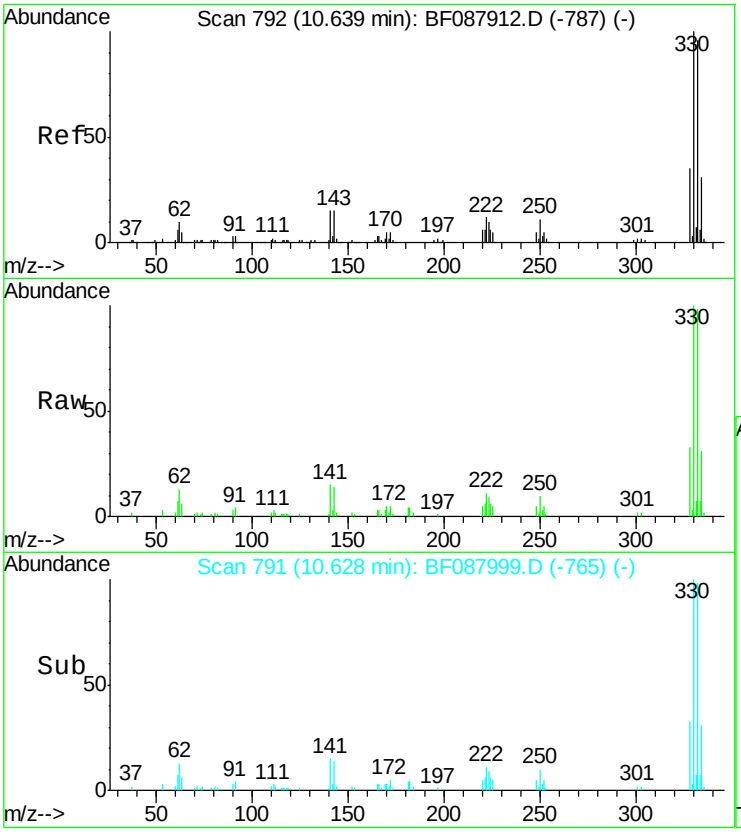


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.00 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Tgt Ion:164 Resp: 217547

Ion	Ratio	Lower	Upper
164	100		
162	104.0	85.4	128.2
160	47.3	39.5	59.3



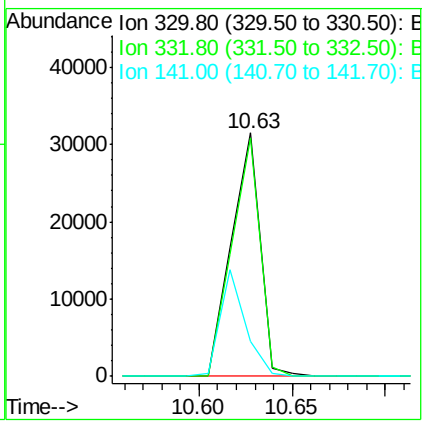


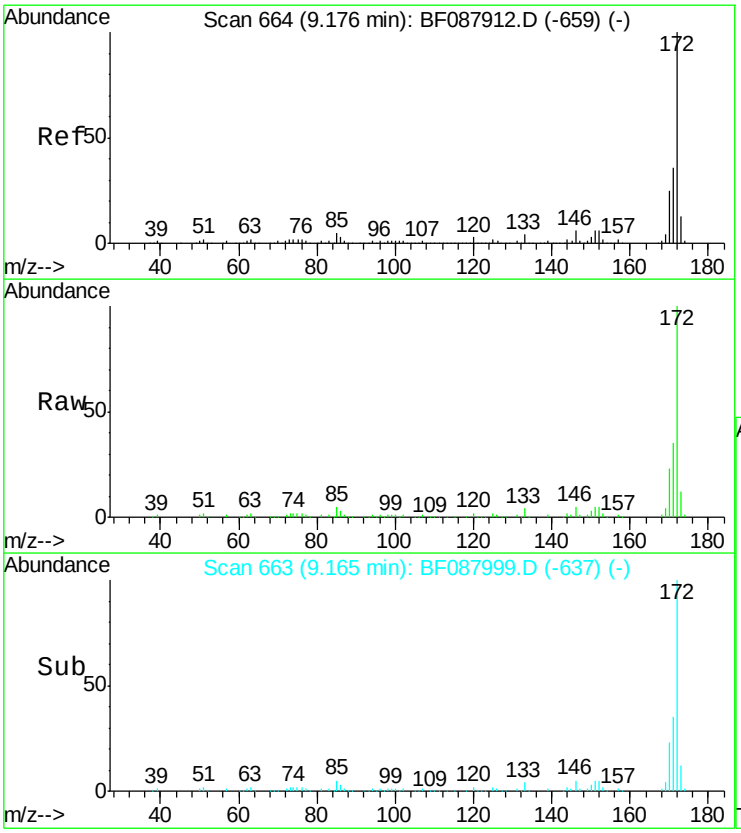
#41
2,4,6-Tribromophenol
Concen: 14.79 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.00 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 33965

Ion	Ratio	Lower	Upper
330	100		
332	96.6	0.0	0.0#
141	38.4	0.0	0.0#

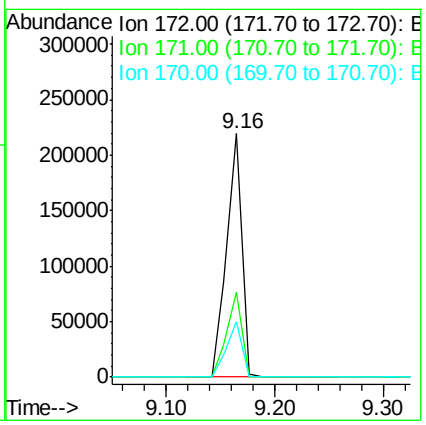


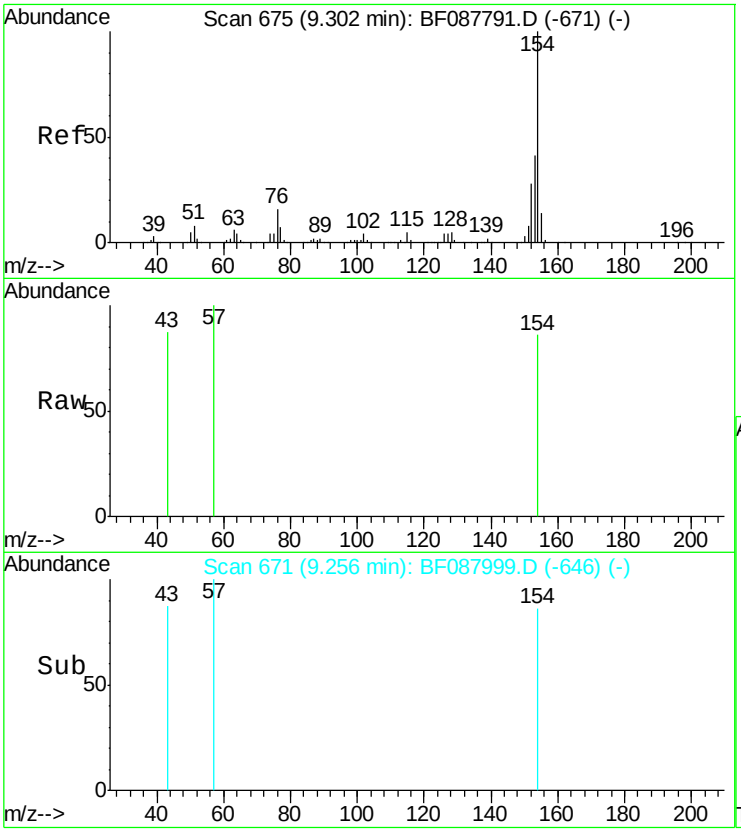


#44
2-Fluorobiphenyl
Concen: 10.49 ng
RT: 9.16 min Scan# 663
Delta R.T. -0.00 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Tgt Ion:172 Resp: 212520

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	43.0
170	22.7	19.2	28.8



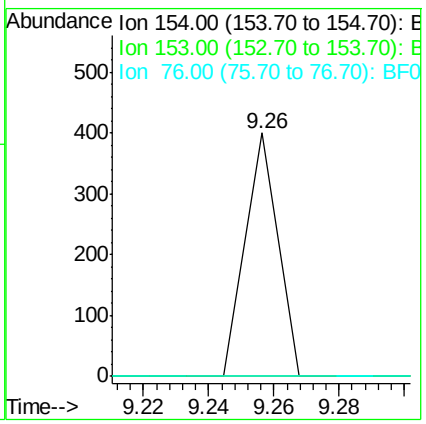


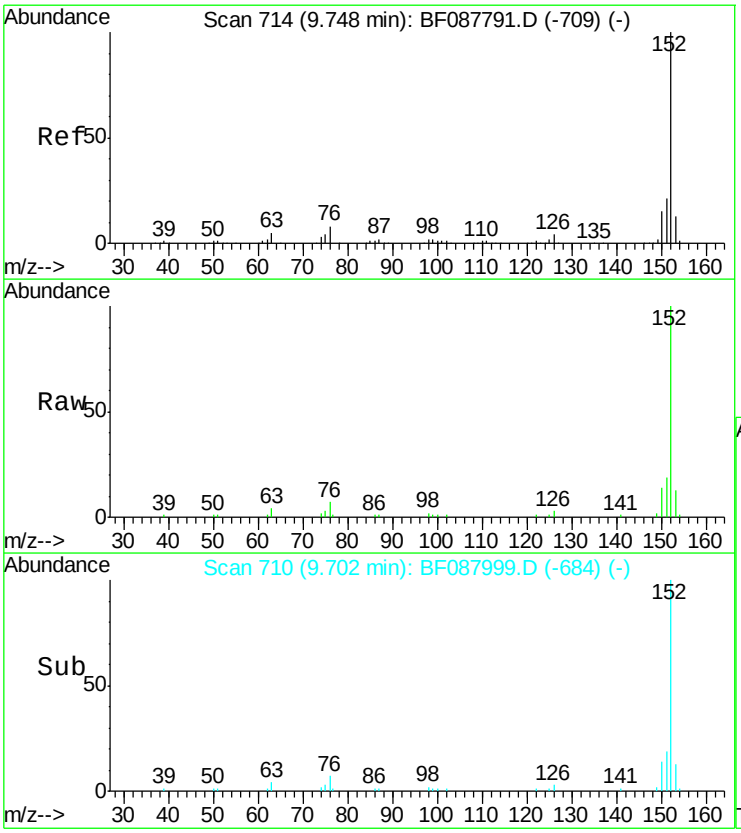
#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.26 min Scan# 671
Delta R.T. -0.01 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 274

Ion	Ratio	Lower	Upper
154	100		
153	0.0	20.6	60.6#
76	0.0	0.0	35.1

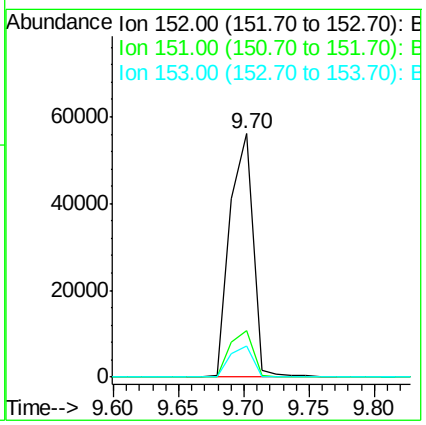


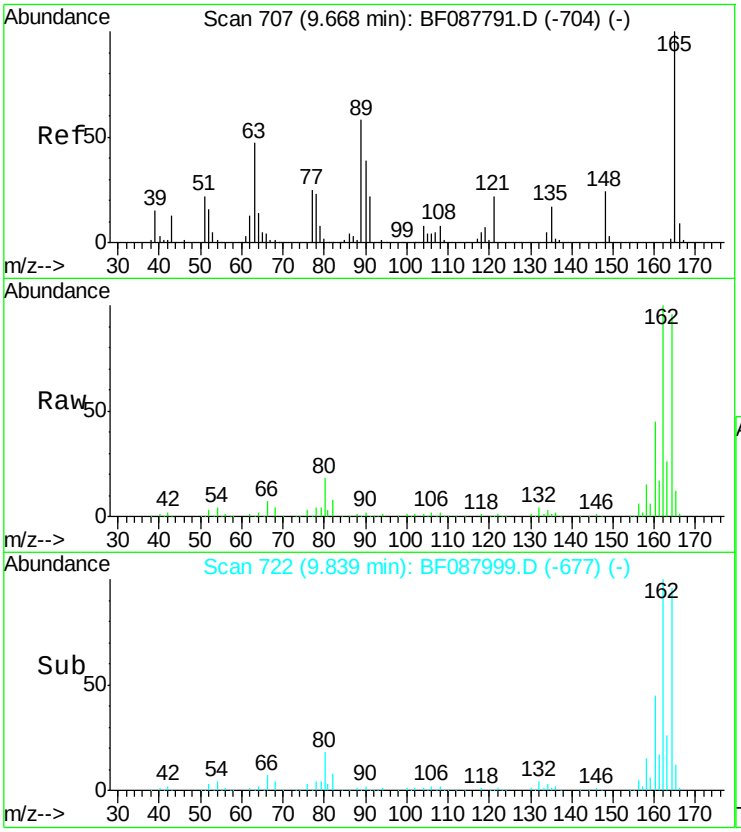


#48
Acenaphthylene
Concen: 3.09 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.00 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Tgt Ion:152 Resp: 69105

Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.2	24.4
153	13.0	11.0	16.6



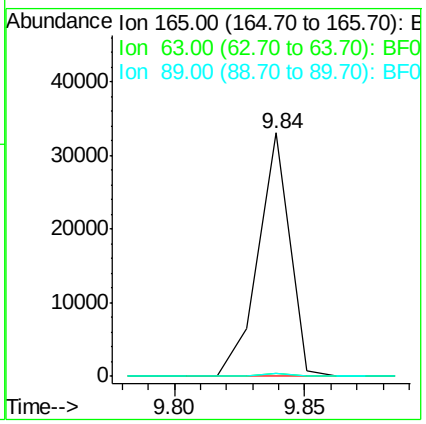


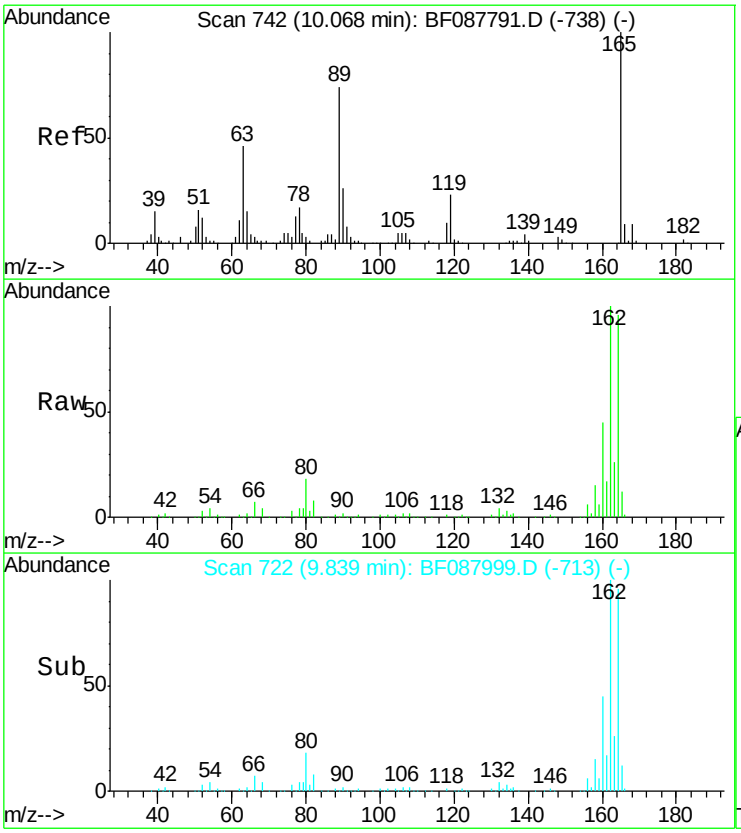
#50
2,6-Dinitrotoluene
Concen: 7.66 ng
RT: 9.84 min Scan# 722
Delta R.T. 0.22 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 27661

Ion	Ratio	Lower	Upper
165	100		
63	1.2	28.1	42.1#
89	1.5	32.2	48.2#

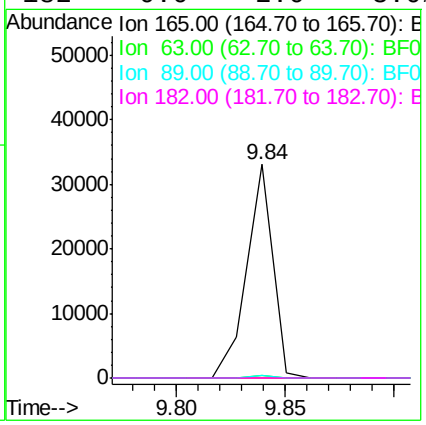


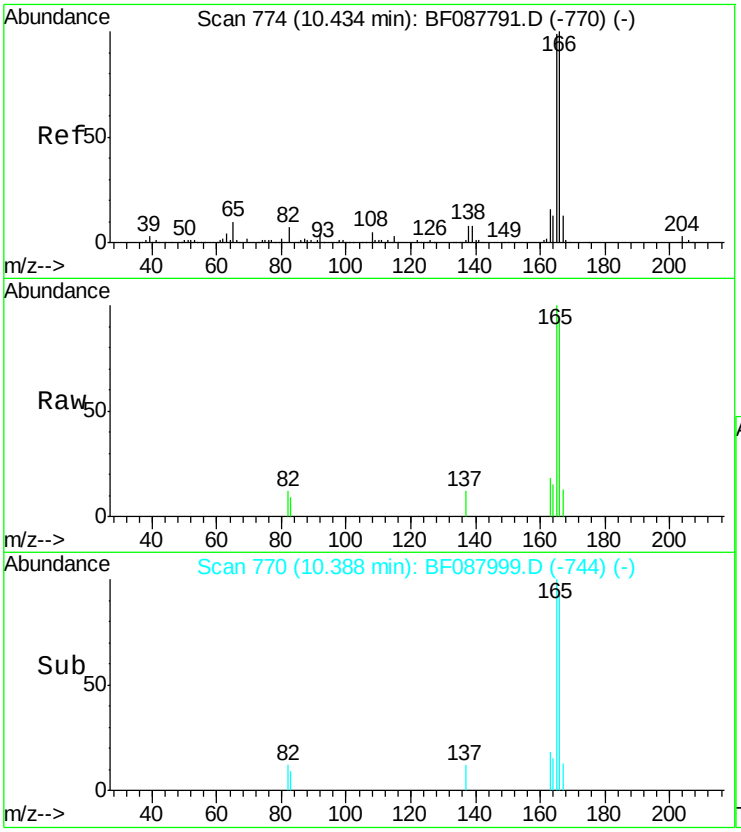


#56
2,4-Dinitrotoluene
Concen: 5.96 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.19 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Tgt Ion:165 Resp: 27663

Ion	Ratio	Lower	Upper
165	100		
63	1.2	22.0	33.0#
89	1.5	41.1	61.7#
182	0.0	2.0	3.0#



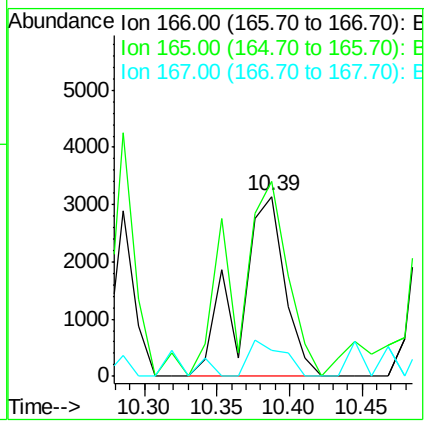


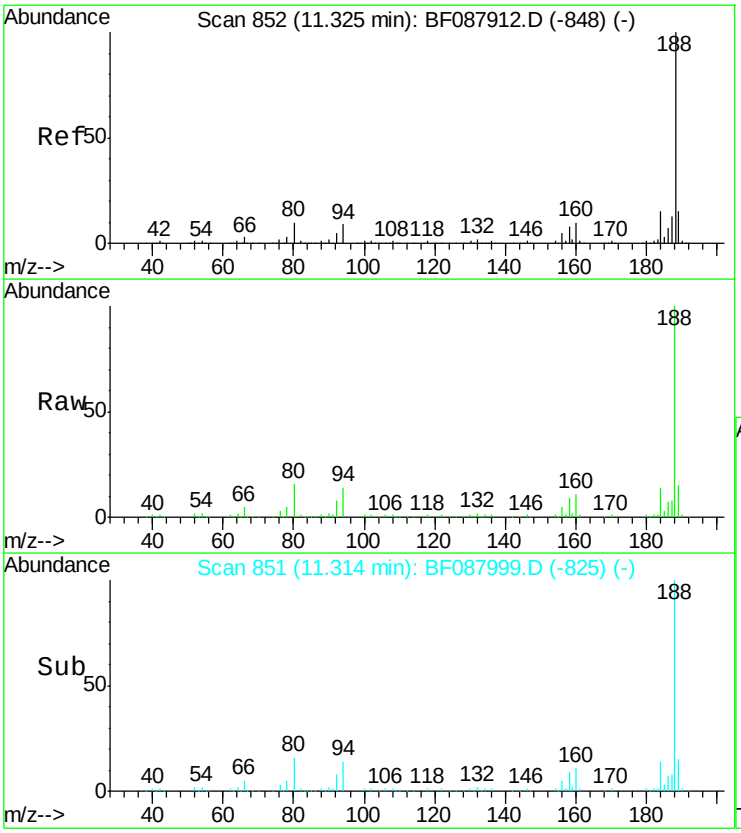
#57
Fluorene
Concen: Below Cal
RT: 10.39 min Scan# 770
Delta R.T. -0.00 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 6796

Ion	Ratio	Lower	Upper
166	100		
165	108.4	77.8	116.8
167	14.2	11.2	16.8

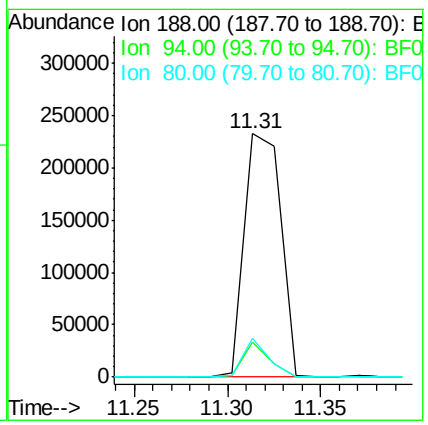


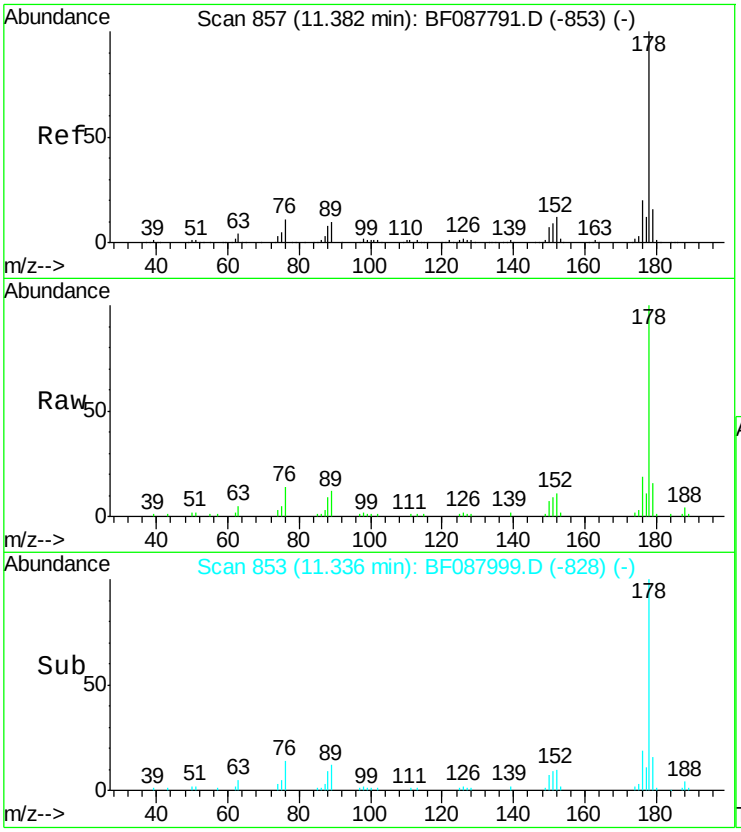


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 851
Delta R.T. -0.00 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Tgt Ion:188 Resp: 315376

Ion	Ratio	Lower	Upper
188	100		
94	14.3	9.0	13.6#
80	16.0	10.0	15.0#



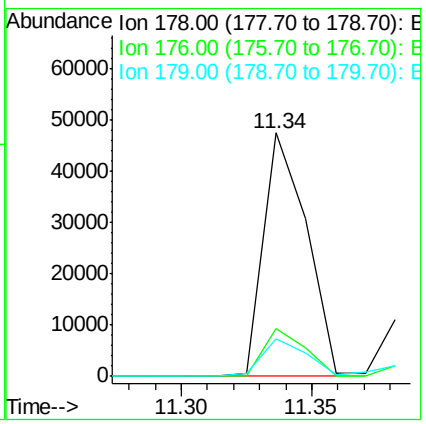


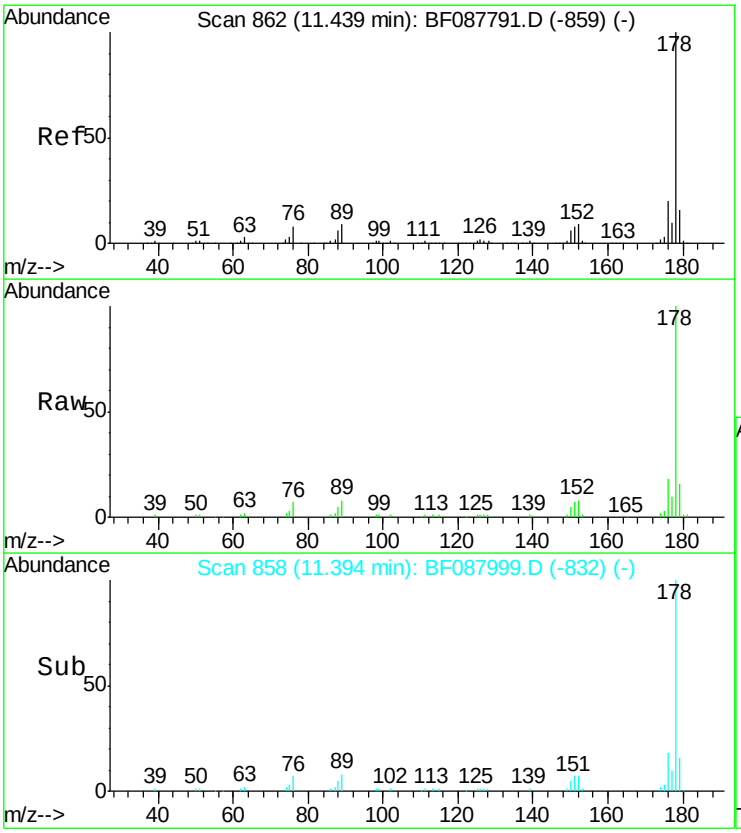
#70
Phenanthrene
Concen: 3.29 ng
RT: 11.34 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 54373

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.6
179	15.6	13.0	19.4

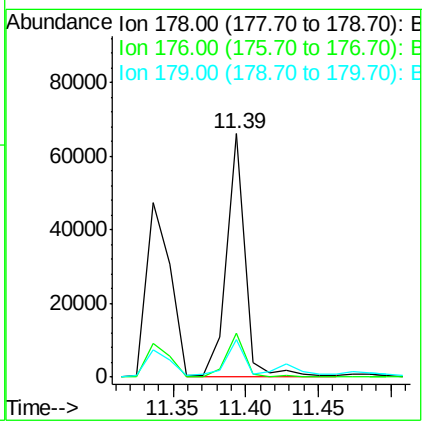


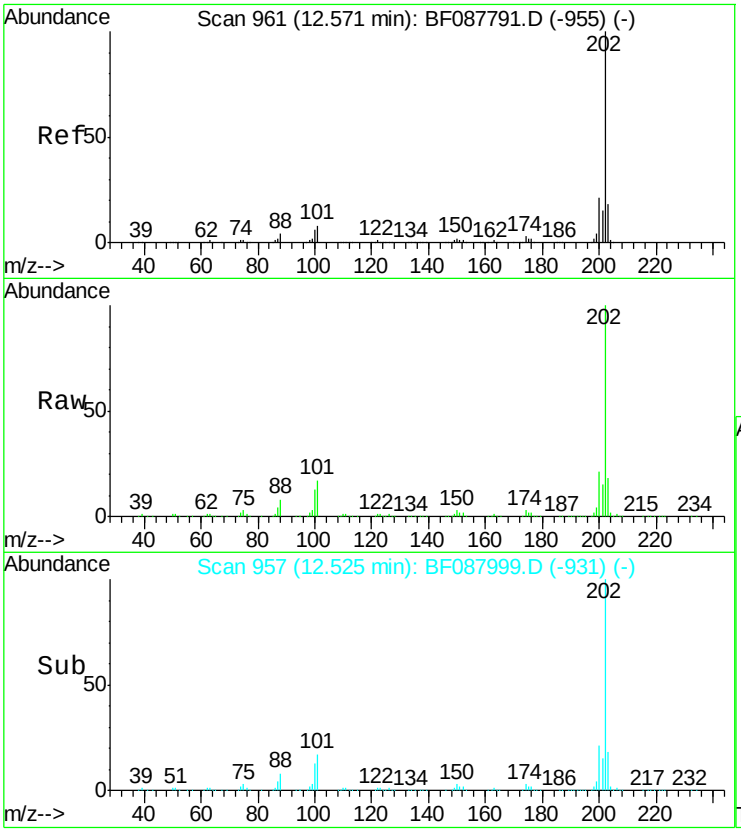


#71
Anthracene
Concen: 3.51 ng
RT: 11.39 min Scan# 858
Delta R.T. -0.00 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Tgt Ion:178 Resp: 58676

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.6	23.4
179	15.6	12.8	19.2



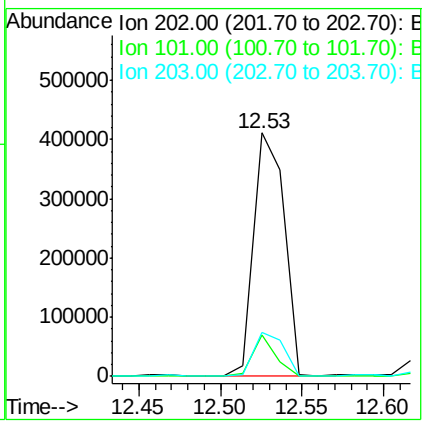


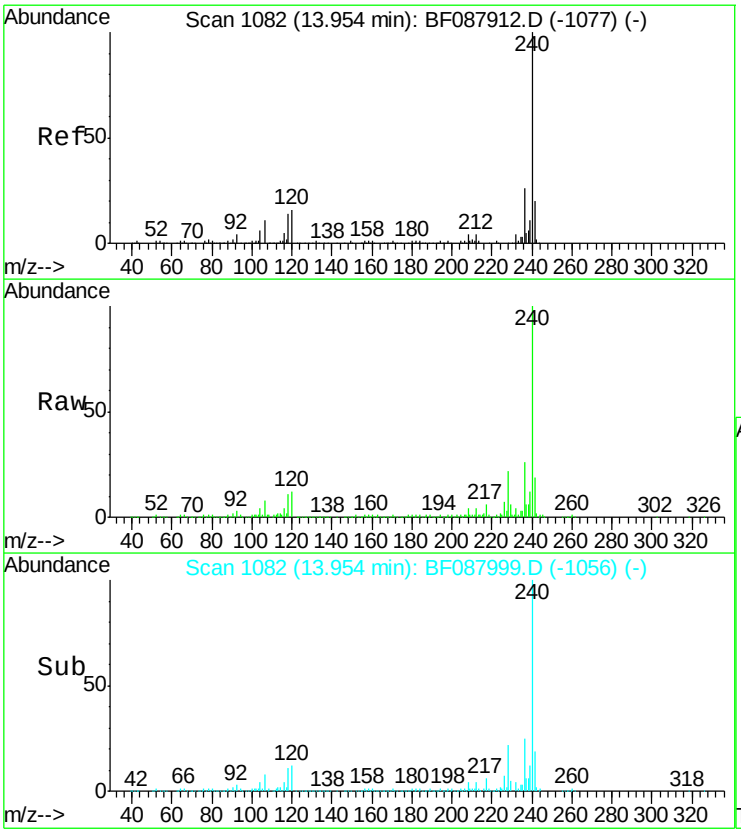
#74
Fluoranthene
Concen: 30.69 ng
RT: 12.53 min Scan# 957
Delta R.T. -0.00 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 535955

Ion	Ratio	Lower	Upper
202	100		
101	17.1	0.0	33.1
203	17.9	0.0	38.1

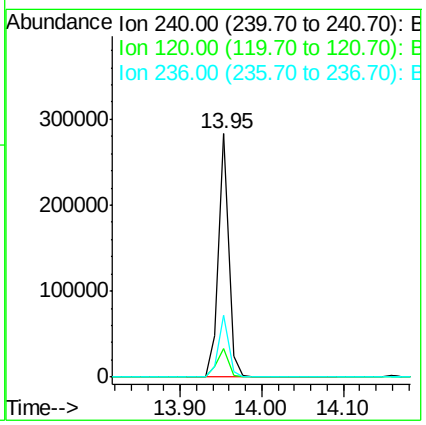


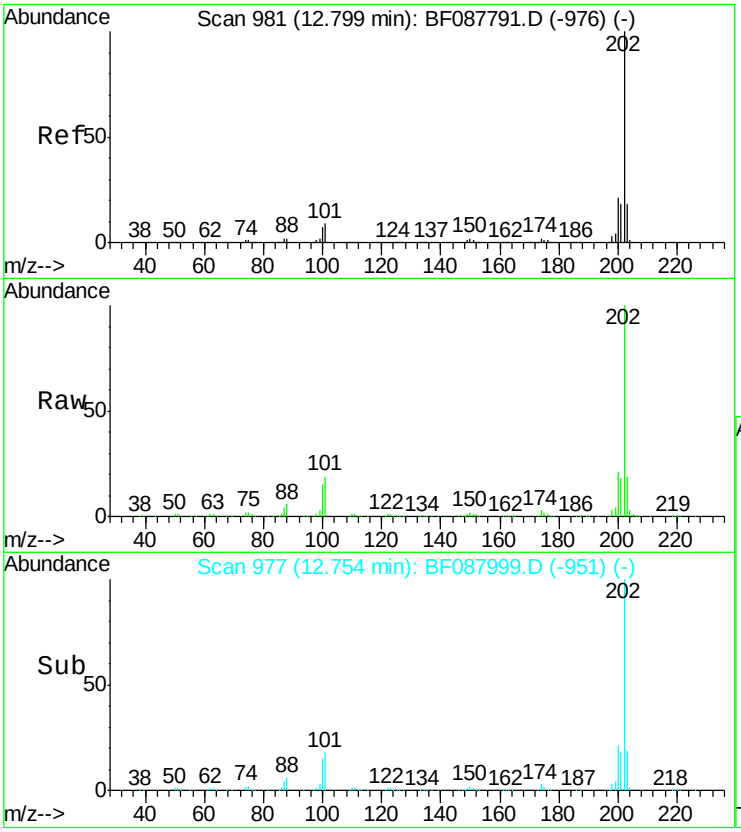


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.00 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Tgt Ion:240 Resp: 249095

Ion	Ratio	Lower	Upper
240	100		
120	11.8	6.8	10.2#
236	25.6	20.2	30.2



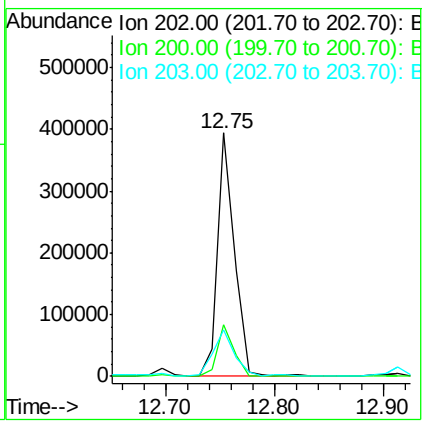


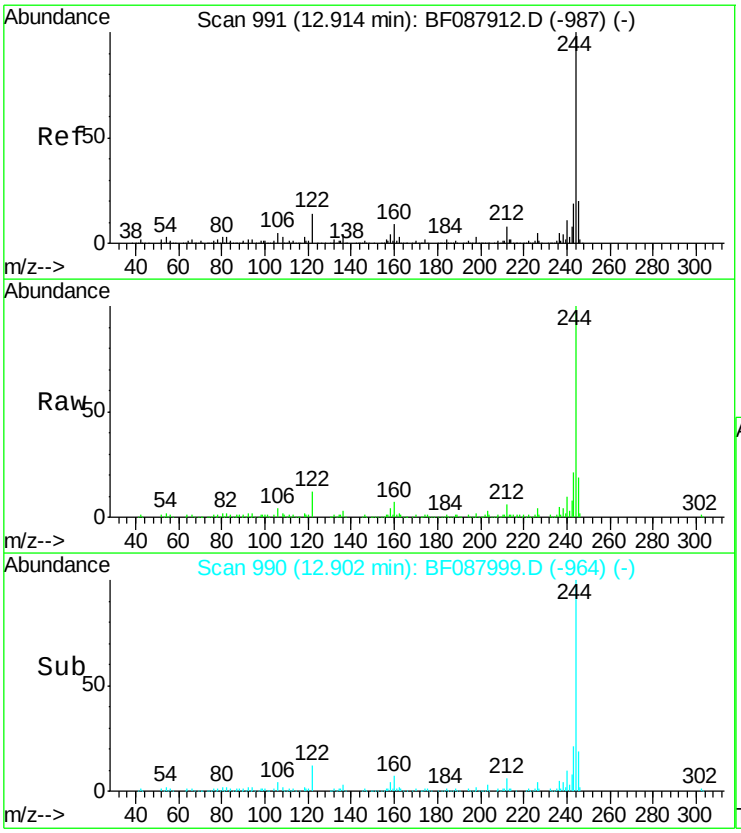
#77
Pyrene
Concen: 22.93 ng
RT: 12.75 min Scan# 977
Delta R.T. -0.00 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 423813

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	19.4	14.5	21.7

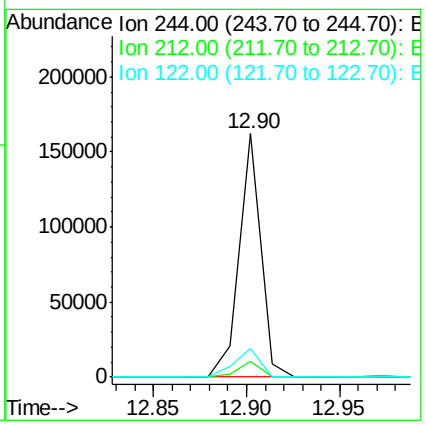


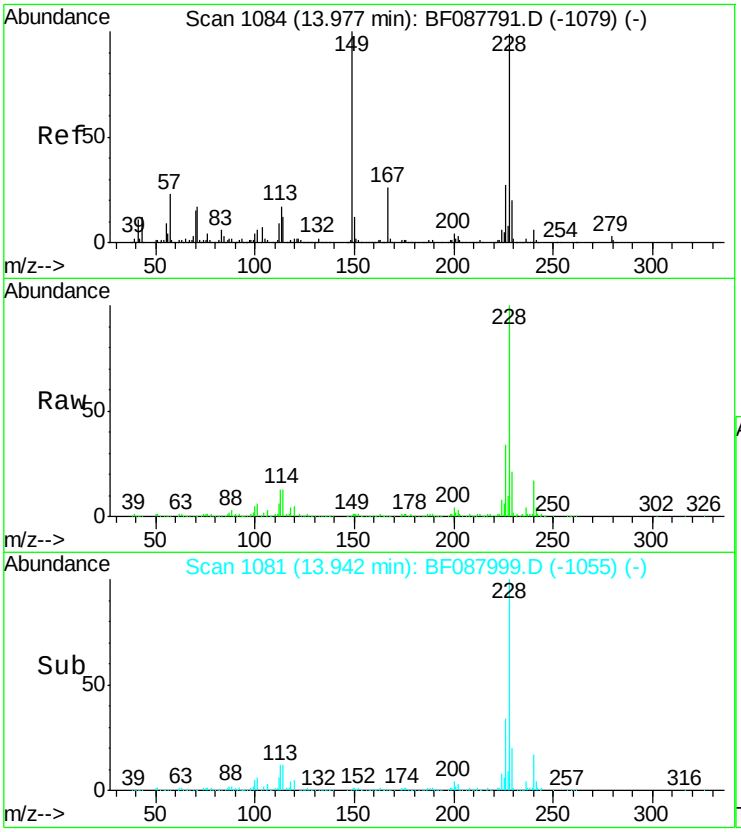


#78
Terphenyl-d14
Concen: 12.03 ng
RT: 12.90 min Scan# 990
Delta R.T. -0.00 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Tgt Ion:244 Resp: 131636

Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	11.7	11.2	16.8



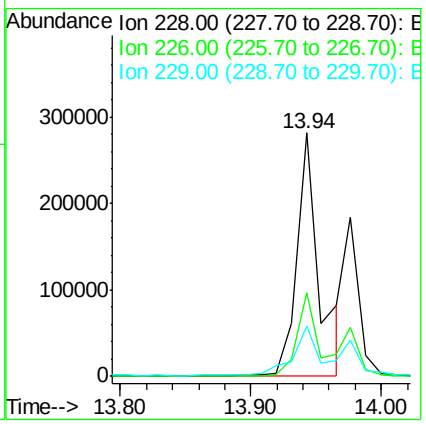


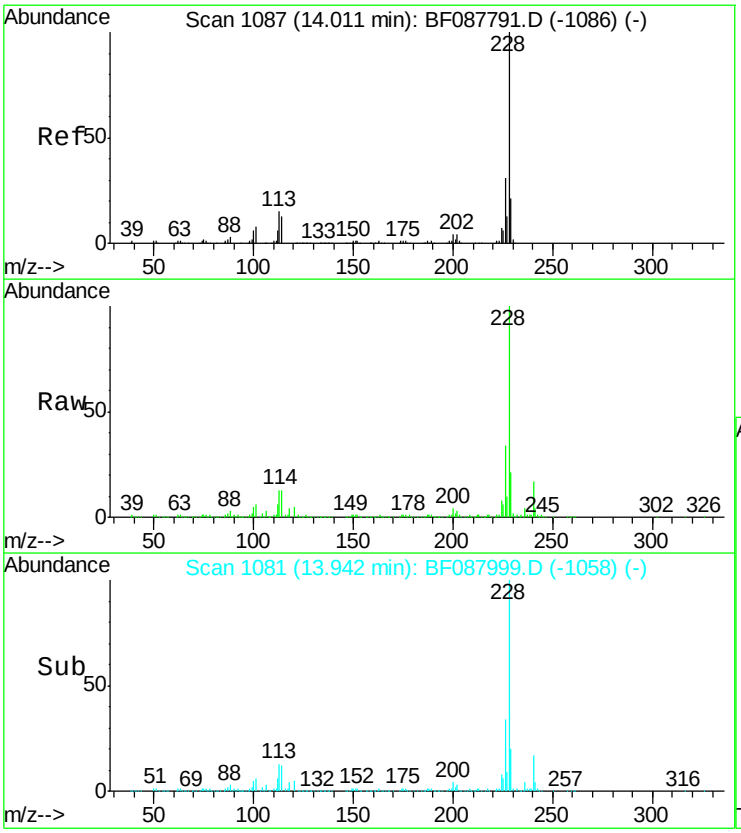
#80
Benzo(a)anthracene
Concen: 23.70 ng
RT: 13.94 min Scan# 1081
Delta R.T. -0.00 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 336468

Ion	Ratio	Lower	Upper
228	100		
226	34.2	22.3	33.5#
229	20.8	16.0	24.0

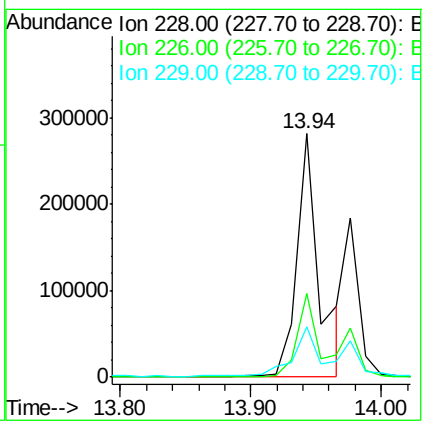


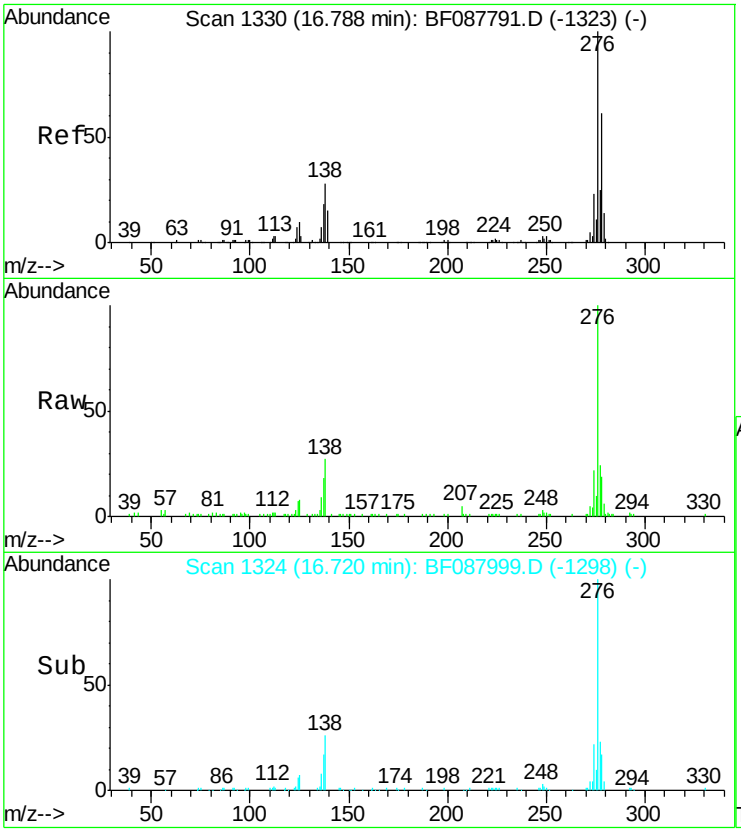


#82
Chrysene
Concen: 25.20 ng
RT: 13.94 min Scan# 1081
Delta R.T. -0.03 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Tgt Ion:228 Resp: 336468

Ion	Ratio	Lower	Upper
228	100		
226	34.2	25.4	38.2
229	20.8	16.3	24.5



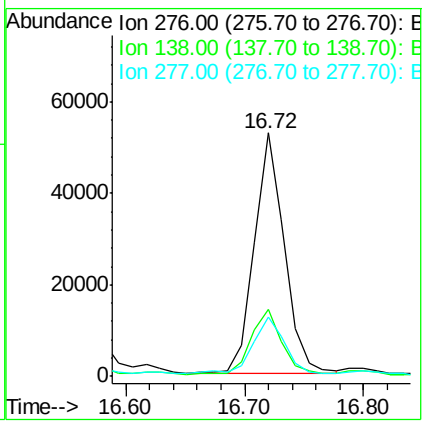


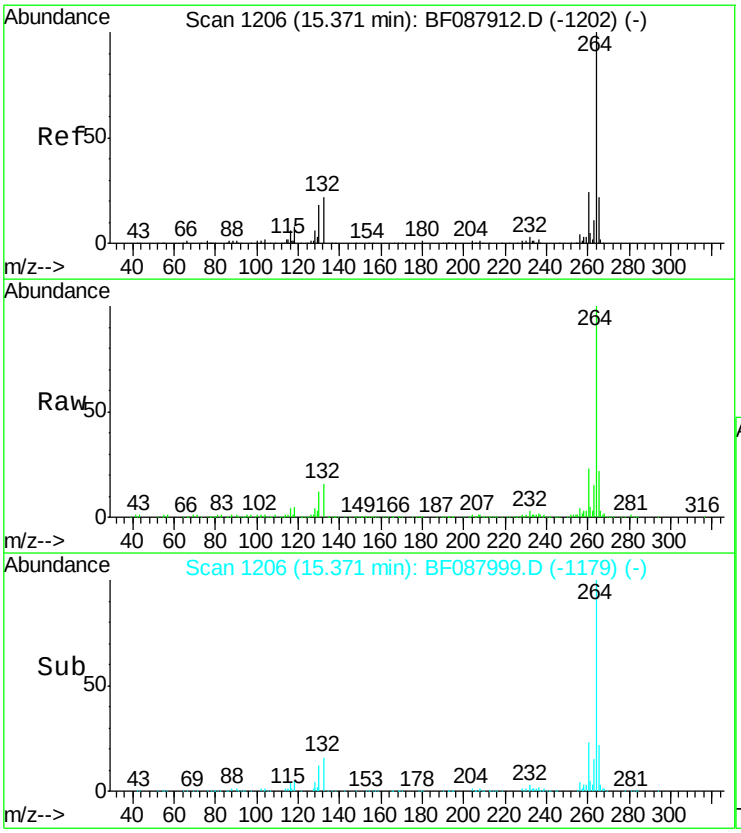
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.45 ng
RT: 16.72 min Scan# 1324
Delta R.T. -0.00 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 92434

Ion	Ratio	Lower	Upper
276	100		
138	27.4	0.0	0.0#
277	25.1	0.0	0.0#

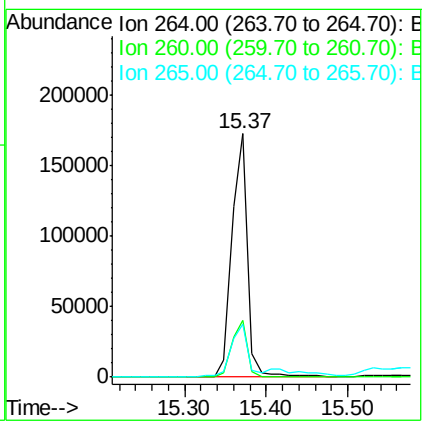


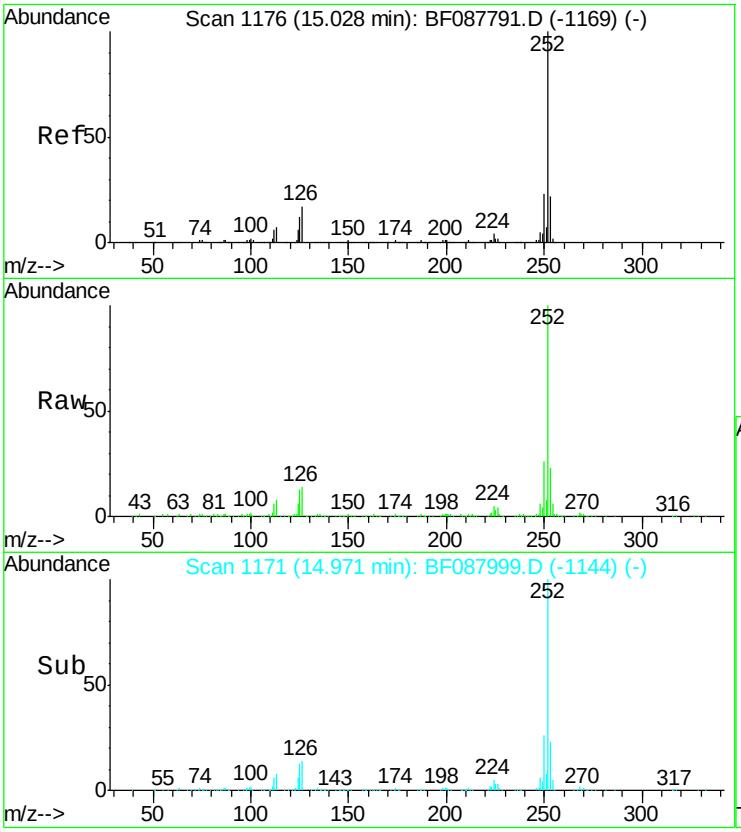


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. 0.01 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Tgt Ion:264 Resp: 230000

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.8	16.9	25.3



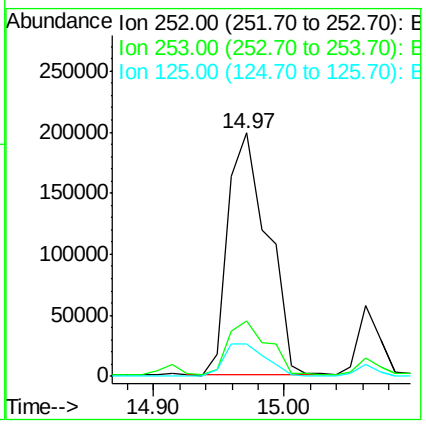


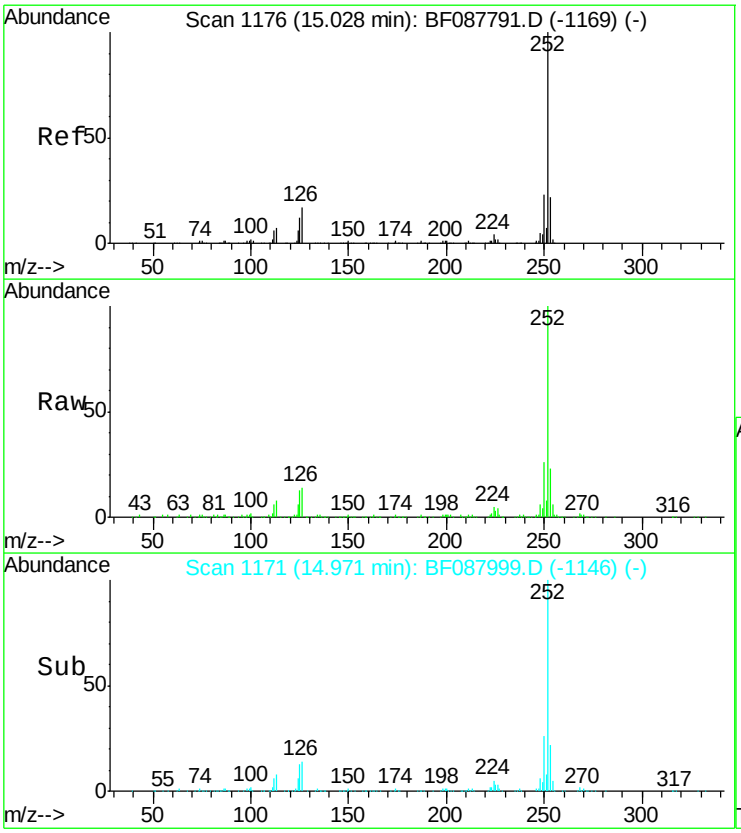
#87
Benzo(b)fluoranthene
Concen: 26.37 ng
RT: 14.97 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 422753

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	13.3	7.1	10.7#

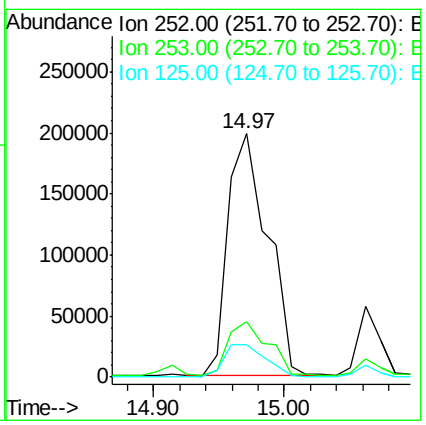


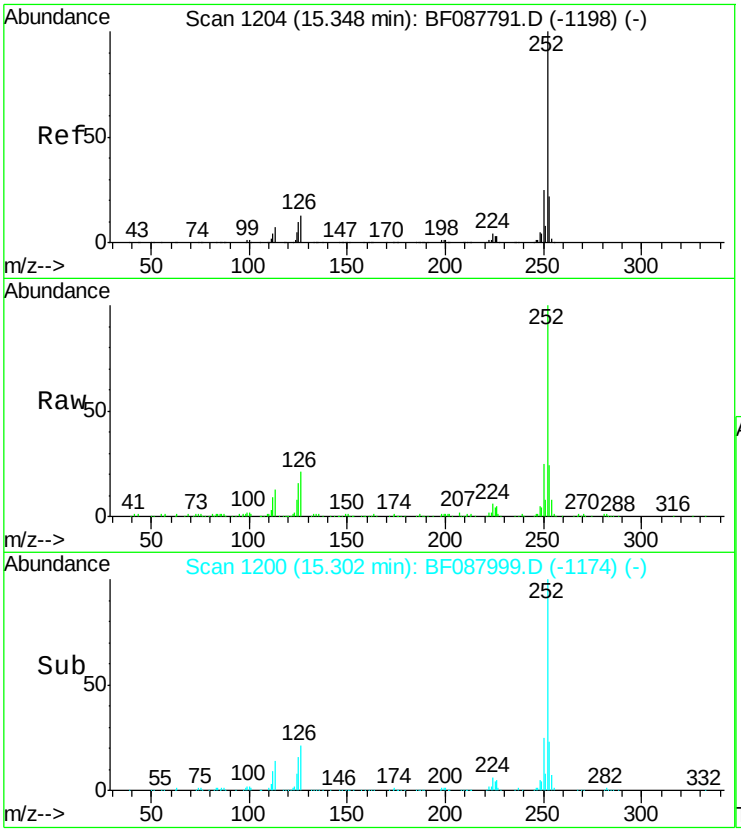


#88
Benzo(k)fluoranthene
Concen: 34.96 ng
RT: 14.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Tgt Ion:252 Resp: 422753

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	13.3	11.2	16.8



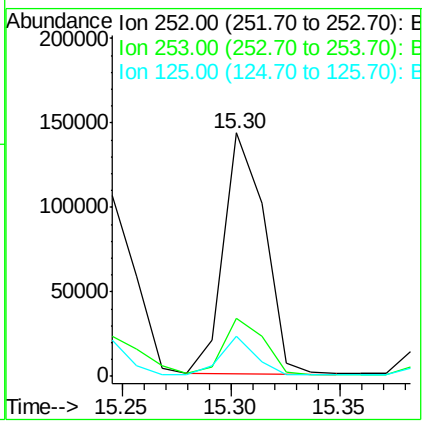


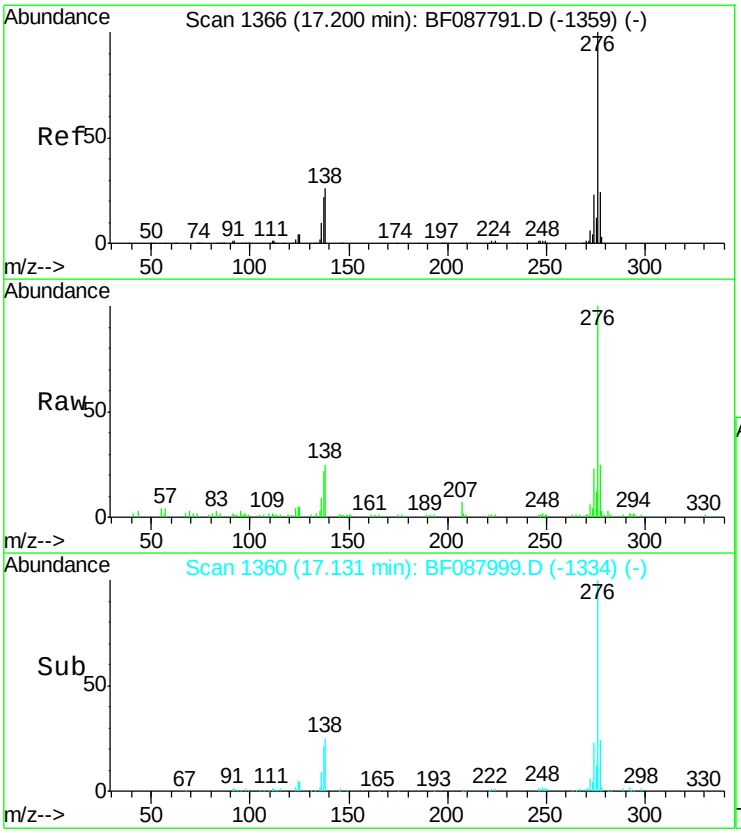
#89
Benzo(a)pyrene
Concen: 14.41 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 186837

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	16.4	12.5	18.7





#91
Benzo(g,h,i)perylene
Concen: 5.91 ng
RT: 17.13 min Scan# 1360
Delta R.T. -0.00 min
Lab File: BF087999.D
Acq: 14 Jun 2016 10:12

Tgt Ion:276 Resp: 73209

Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.9	28.3
138	25.3	21.4	32.2